

SPLIT TYPE ROOM AIR CONDITIONER WALL WOUNTED TYPE

SERVICE MANUAL

Indoor unit Outdoor unit

MW24C3G MR24C3G



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SPECIFICATIONS

ELECTRICAL DATA

MW24C3G
MR24C3G
24,000 BTU, 7.03 kW
208 / 230 V
60 Hz
10.5 A
2.4 kW
10.0 BTU/hW, 2.93 kW/kW
6.3 Pt/h, 3.0 L/hr
659 cfm, 1,120 m3/hr
11.5 A

FAN MOTOR

POWER SOURCE		230 V
	High	1,480 r.p.m.
INDOODLINIT	Medium	1,220 r.p.m.
INDOOR UNIT	Low	1020 r.p.m.
	Quiet	900 r.p.m.
OUTDOOR UNIT		1,100 r.p.m.

NOISE LEVEL

INDOOR UNIT	High	48 dB
	Medium	42 dB
	Low	37 dB
	Quiet	33 dB
OUTDOOR UNIT		56 dB

COMPRESSOR AND REFRIGERANT

TYPE	Hermetic type, 4 pole, DC inverter motor, Scroll	
DISCRIMINATION		DA150A1F-20NA
WEIGHT (with oil)	22 lbs, 10.0 kg	
REFRIGERANT TY	R410A	
PRECHARGED RE	2 lbs 14 oz, 1,300 g	
Pipe length	49 ft, 15 m	2 lbs 14 oz, 1,300 g
	66 ft, 20 m	3 lbs 1 oz, 1,400 g
FULL CHARGE	82 ft, 25 m	3 lbs 5 oz, 1,500 g
	98 ft, 30 m	3 lbs 8 oz, 1,600 g
ADDITIONAL CHA	0.21 oz/ft, 20 g/m	
MAXIMUM HEIGHT	66 ft, 20 m	

DIMENSIONS

INDOOR UNIT	HxWxD	12-5/8 x 39-1/4 x 9 inch 320 x 998 x 228 mm
OUTDOOR UNIT	HxWxD	24-13/32 x 31-3/32 x 11-13/32 inch, 620 x 790 x 290 mm

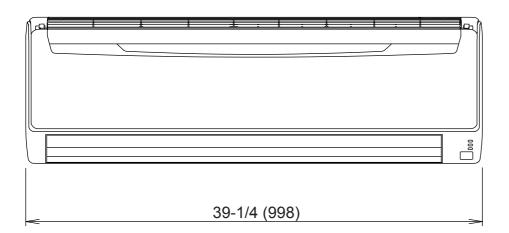
WEIGHT

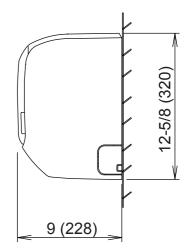
INDOOR UNIT Shipping / Net	40 lbs / 31 lbs 18 kg / 14 kg
OUTDOOR UNIT Shipping / Net	97 lbs / 88 lbs 44 kg / 40 kg

DIMENSIONS

Unit: inch (mm)

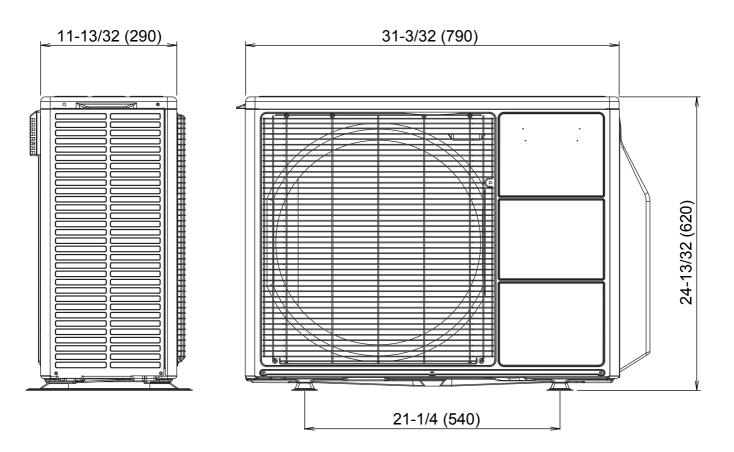
INDOOR UNIT



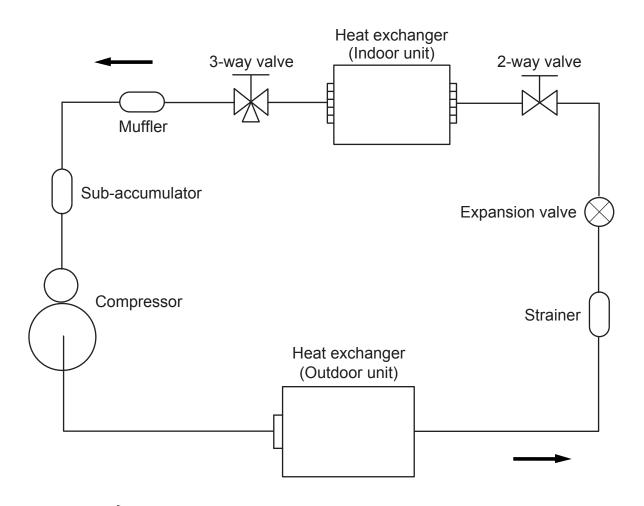


Drain hose length: 26-3/8 inch (670 mm)

OUTDOOR UNIT



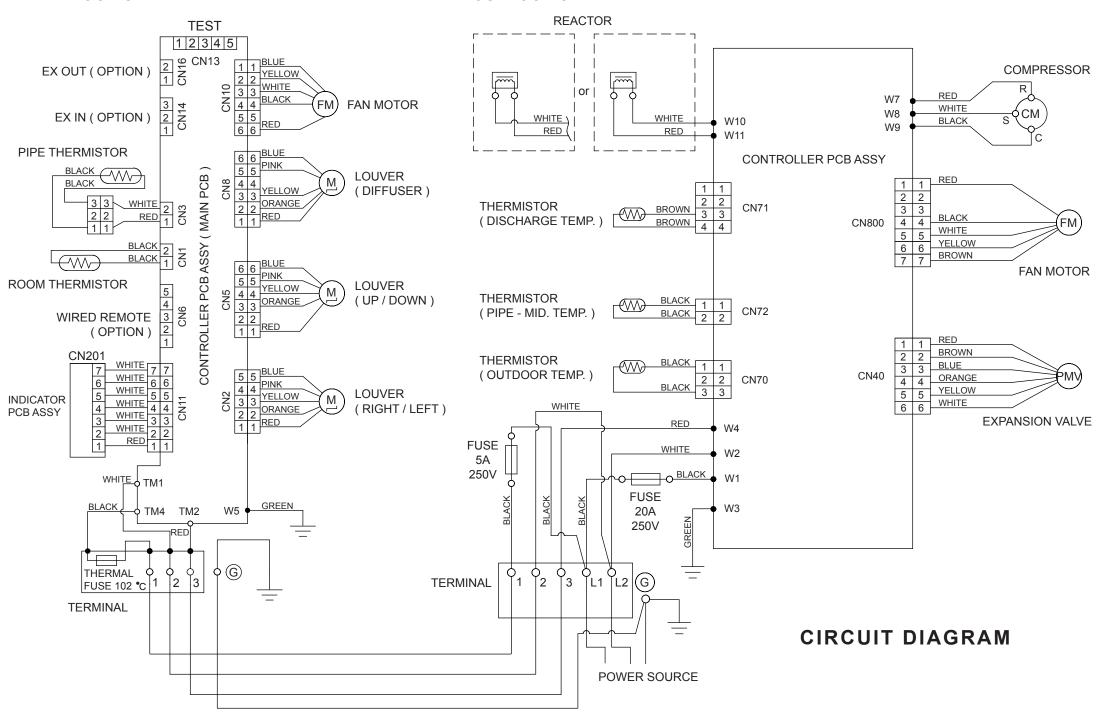
REFRIGERANT SYSTEM DIAGRAM



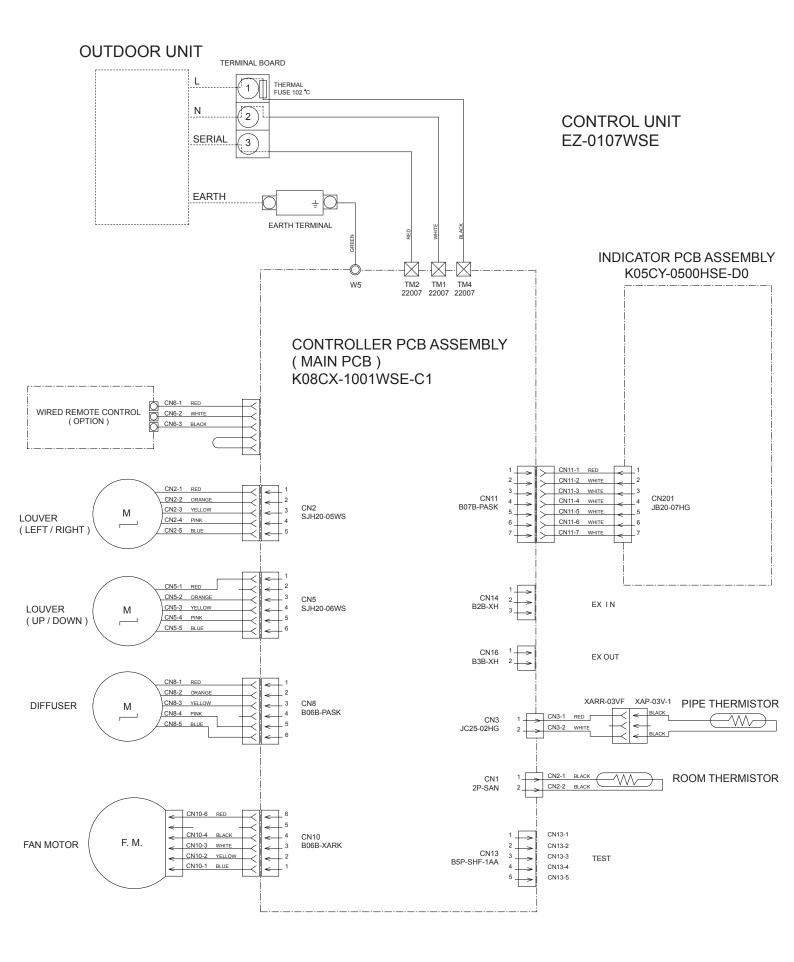
Refrigerant direction

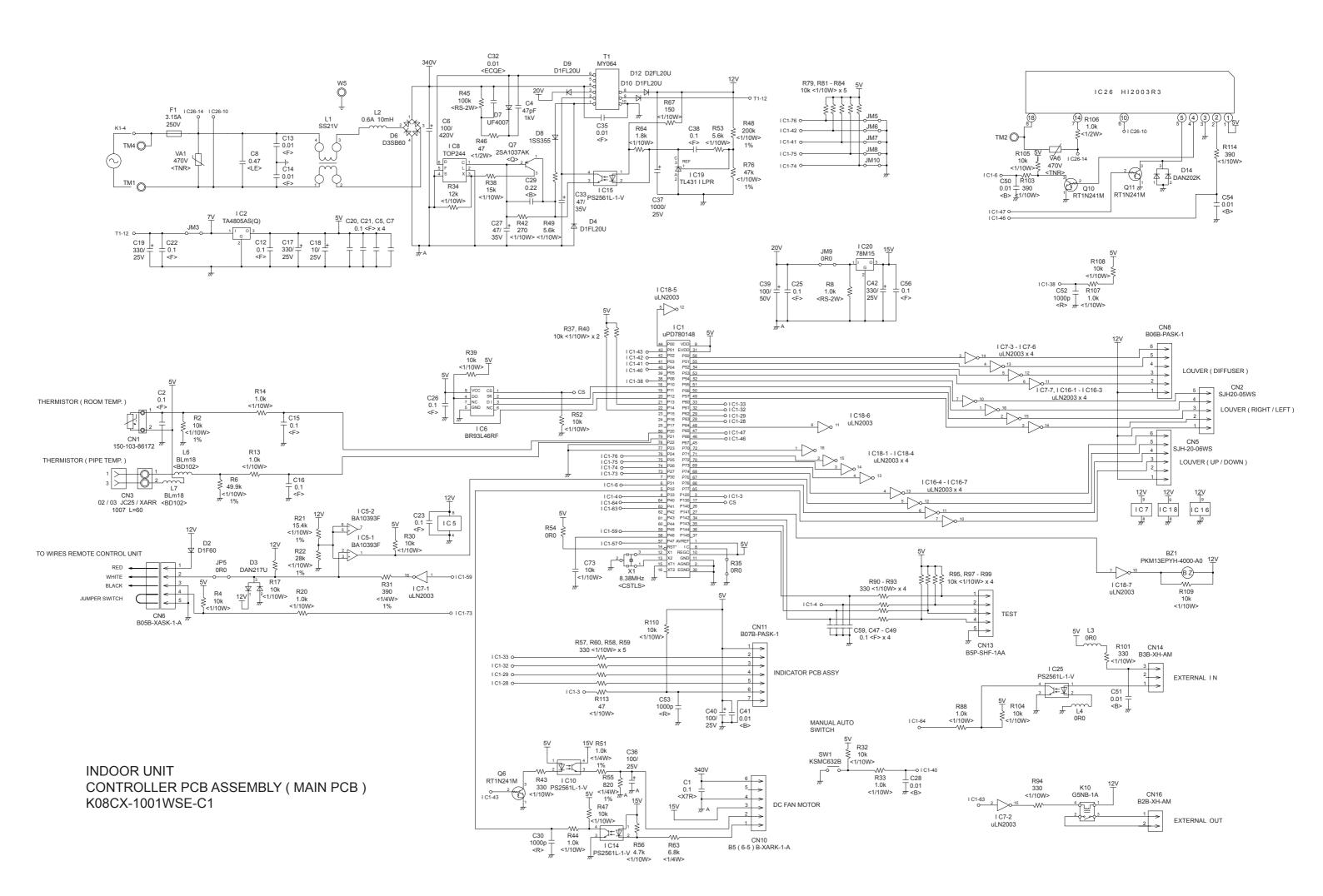
Refrigerant pipe diameter Liquid: 1/4" (6.35 mm) Gas: 5/8" (15.88 mm)

OUTDOOR UNIT

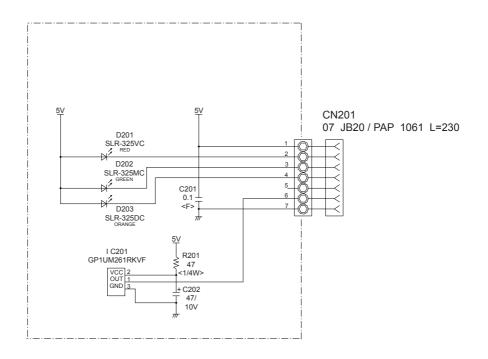


INDOOR PCB CIRCUIT DIAGRAM





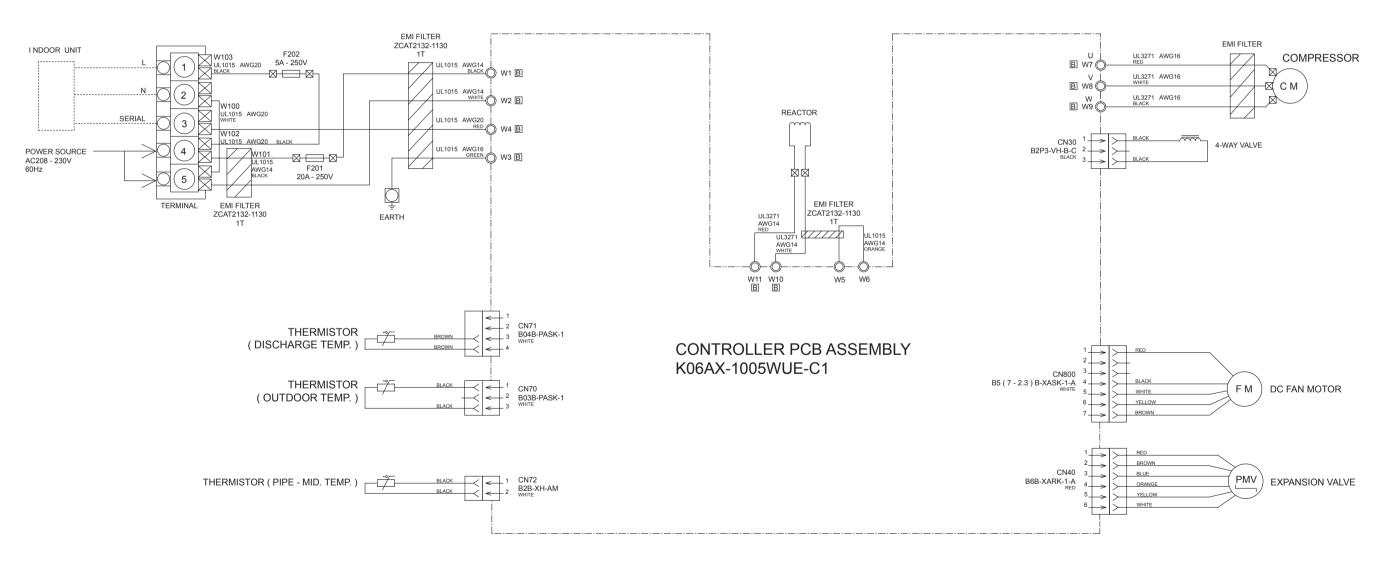
INDOOR UNIT INDICATOR PCB ASSEMBLY K05CY-0500HSE-D0

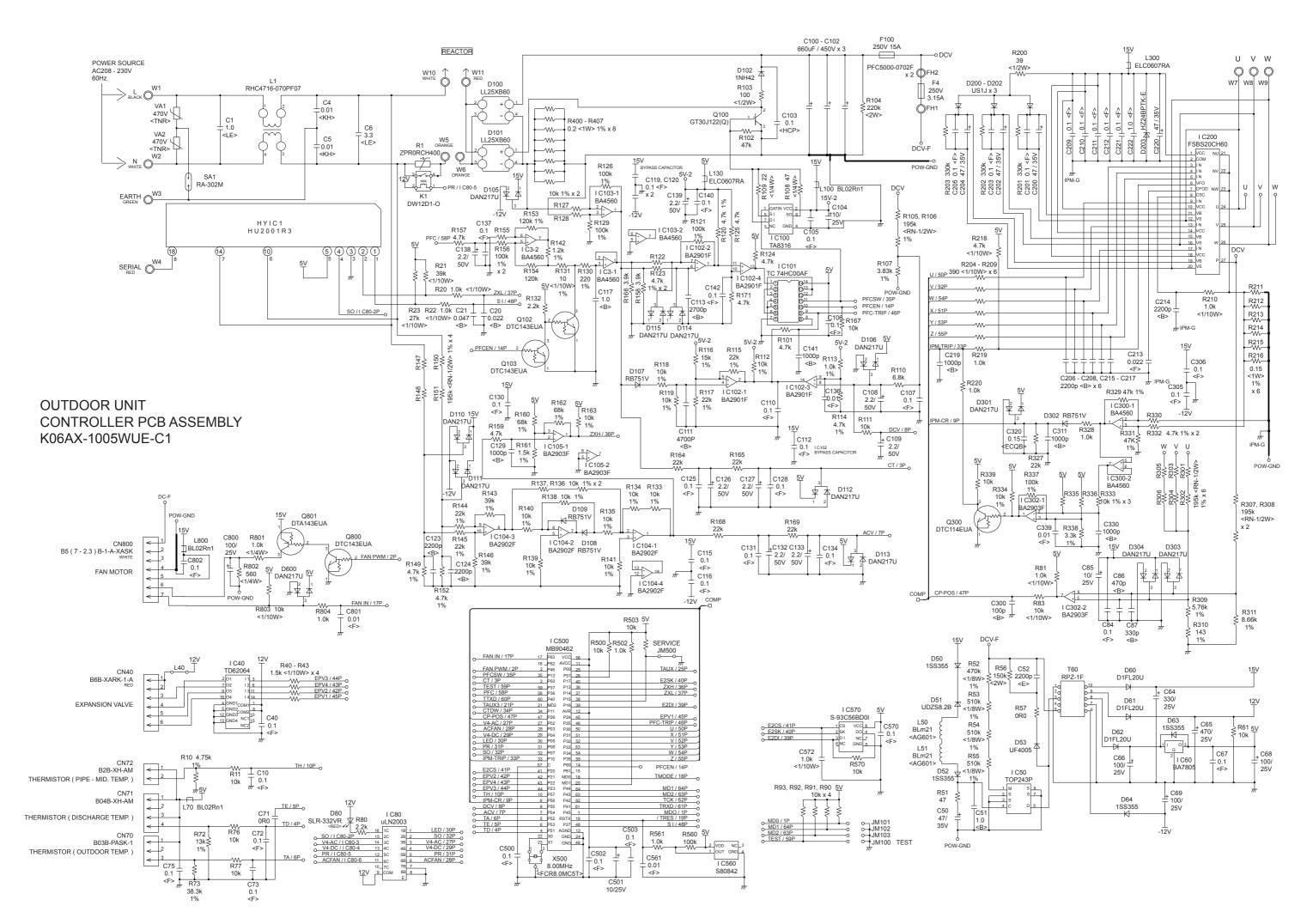


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OUTDOOR PCB CIRCUIT DIAGRAM

INVERTER ASSEMBLY EZ-0101WUE



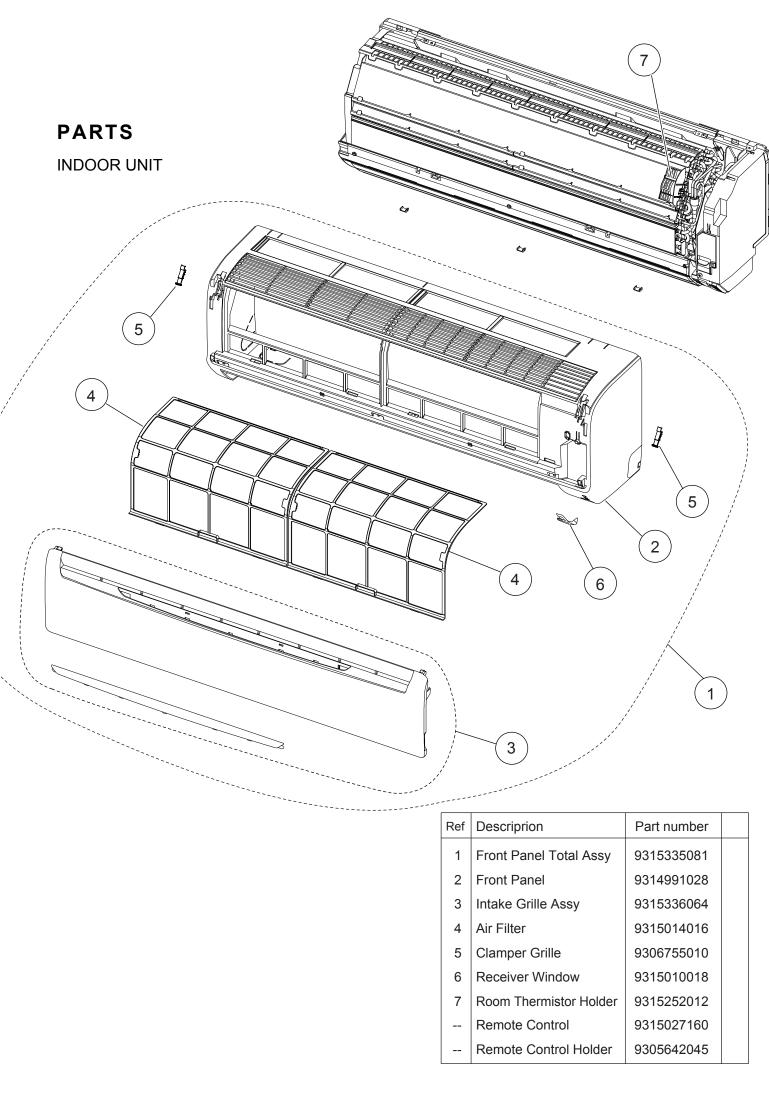


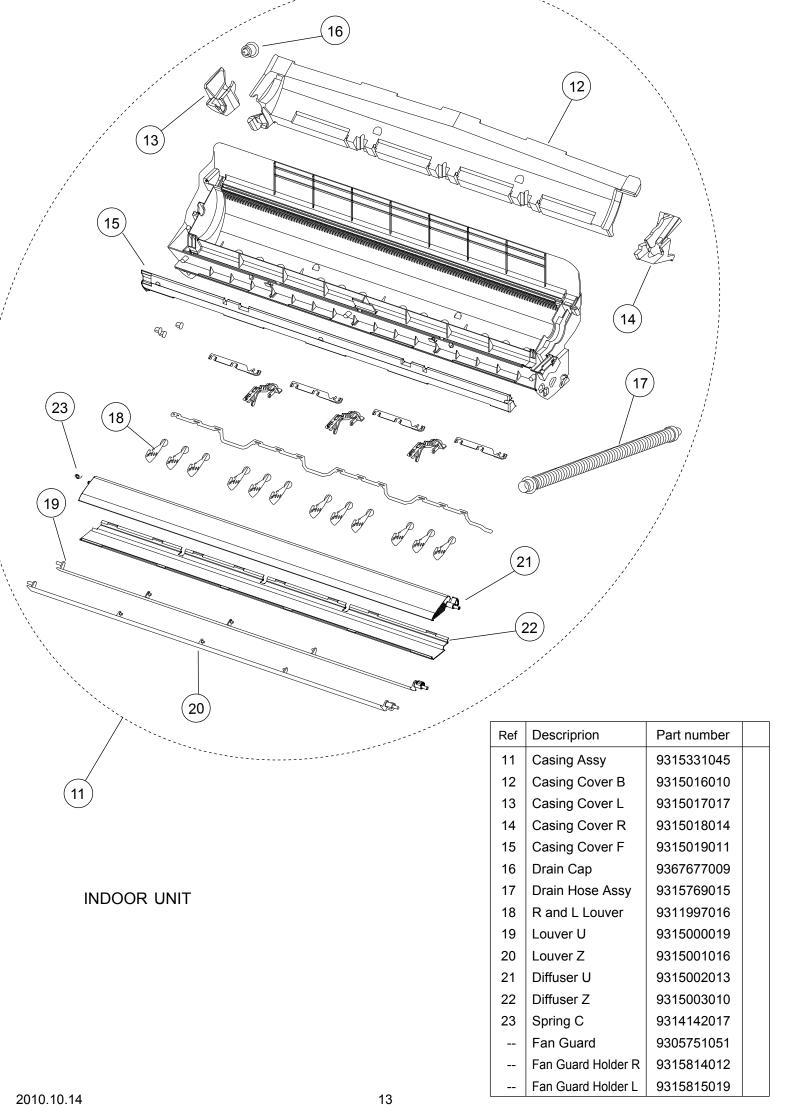
ERROR DETECTION

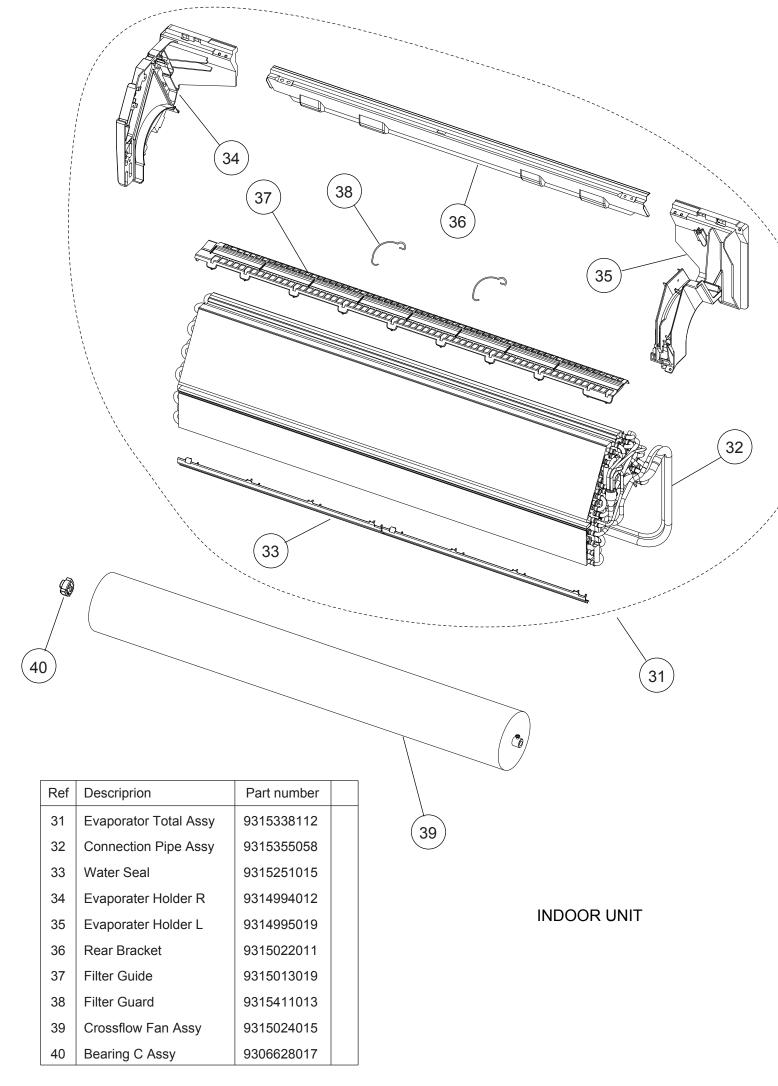
	Display			
Error	Operation LED	Timer LED	Error	
	Off	2 flash	Serial signal (reverse) error, at operation start up	
		3 flash	Serial signal (reverse) error, during oeration	
Serial signal error		4 flash	Serial signal (forward) error, at operation start up	
		5 flash	Serial signal (forward) error, during operation	
		8 flash	Wired remote controller error	
Indoor unit thermistor error	2 flash	2 flash	Indoor temperature thermistor open / short	
indoor drift thermistor error	2 110511	3 flash	Heat exchanger middle thermistor open / short	
		2 flash	Discharge thermistor open / short	
Outdoor unit thermistor error	3 flash	3 flash	Heat exchanger thermistor open	
		4 flash	Outdoor temperature thermistor open / short	
	4 flash	2 flash	Forced automatic SW welded	
		3 flash	Main relay welded	
Indoor unit control error		4 flash	Power interruption error	
		7 flash	VDD permanent stop protection	
		8 flash	reverse VDD permanent stop protection	
		2 flash	Current trip error	
	5 flash	3 flash	CT abnormal	
Outdoor unit control error		5 flash	Compressor location detection error	
		6 flash	Outdoor unit fan drive system abnormal	
Indoor for motor orror	6 flash	2 flash	Abnormal lock	
Indoor fan motor error		3 flash	Abnormal rotation	
Defricement and a second	7 flash	2 flash	Discharge Temperature abnormal	
Refrigerant cycle error		3 flash	Cooling high pressure abnormal rise	
Optional function error	8 flash	4 flash	PFC circuit error	
Model information error	0.1 sec on/off	0.1 sec on/off	Model information error	

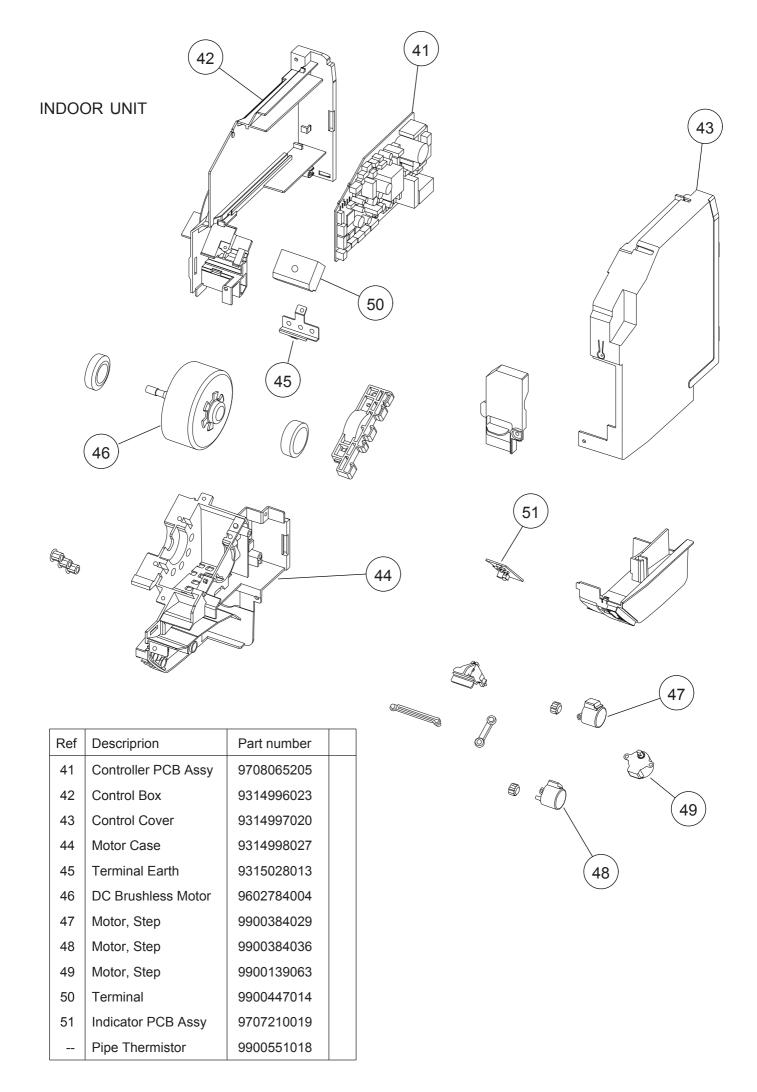
OUTDOOR UNIT

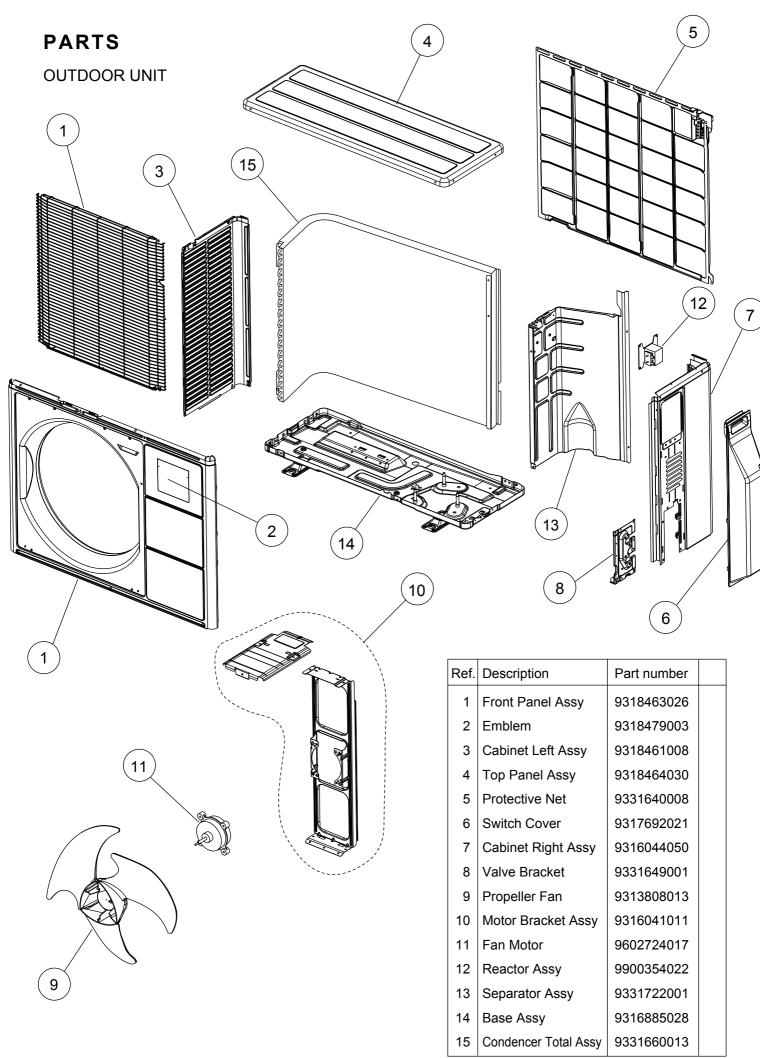
LED	ERROR
on	Discharge temperature abnormal
5.0 second on / 5.0 second off	Fan abnormal
5.0 second on / 0.1 second off	AF PAM voltage abnormal
2.0 second on / 2.0 second off	CT abnormal
0.5 second on / 0.5 second off	Trip
0.1 second on / 2.0 second off	Compressor location abnormal
0.1 second on / 0.1 second off	Thermistor abnormal

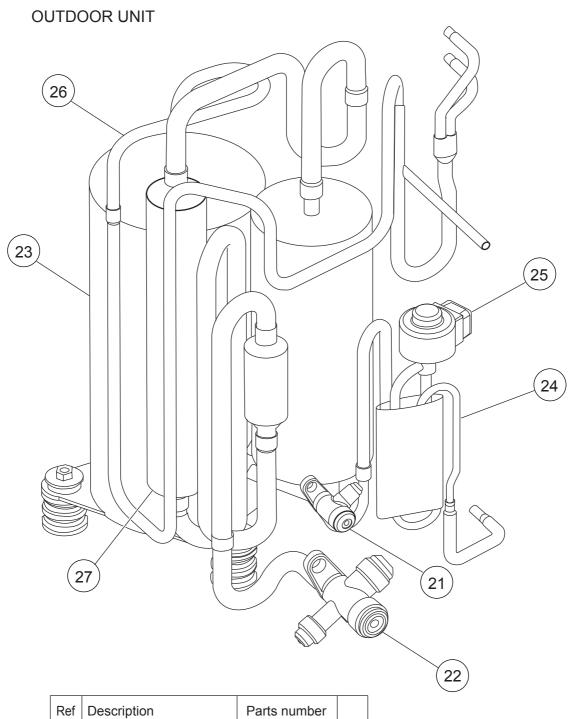




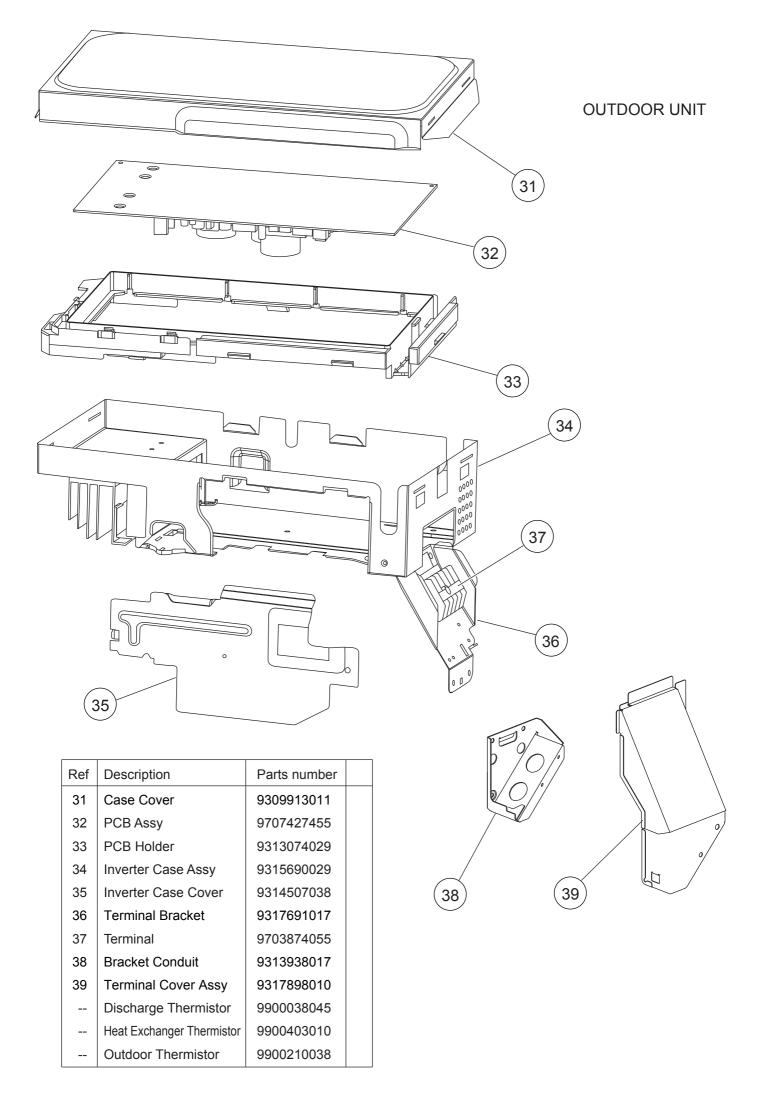








Ref	Description	Parts number	
21	2-way Valve Assy	9314554018	
22	3-way Valve Assy	9331674003	
23	Compressor Assy	9315297044	
24	Pulse Motor Valve Assy	9331647007	
25	Expansion Valve Coil	9900057039	
26	Discharge Pipe Assy	9331643009	
27	Suction Pipe Assy	9331642002	



ACCESSORIES

Name and Shape	Part number
Wall hook bracket	9315023018
Remote control	9315027160
Remote control holder	9305642045
Battery (penlight)	0600185541
Cloth tape	9310519004
Tapping screw (big)	0700076046
Tapping screw (small)	0700019036